

Converting Colors

$Y_{xy}(14.7357, 0.3123, 0.4232)$

Have a look what the booklet for
Yxy(14.7357, 0.3123, 0.4232)
contains.

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Color

Yxy(14.7321, 0.3120, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	50744D
RGB	80, 116, 77
RGB Percent	31%, 45%, 30%
CMY	0.6862, 0.5451, 0.6980
CMYK	0.31, 0.00, 0.34, 0.55
HSL	115°, 20%, 38%
HSV	115°, 34%, 45%
XYZ	10.8946, 14.7321, 9.2918
YIQ	100.7900, -8.9370, -19.7610

Conversions

Conversions Part 2

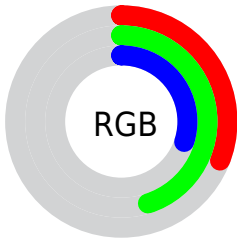
Format	Color
RYB	77, 116, 113
Decimal	5272653
CIELab	45.27, -21.19, 17.58
CIELCh	45, 27.533, 140.328
Yxy	14.7321, 0.3120, 0.4219
Android (android.graphics.Color)	4283462733 (0xFF50744D)
YUV	100.7900, -11.7285, -18.2328
Hunter-Lab	38.3824, -16.5033, 12.5145

Details

The Yxy color **14.7321, 0.3120, 0.4219** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.0797, 0.3115, 0.2489**, and the grayscale version is **12.9908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2574, 0.3131, 0.3976**, and **4.5619, 0.3076, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **14.1536, 0.3112, 0.4547**, and if you desaturate by 10%, it is **15.4153, 0.3125, 0.3910**.

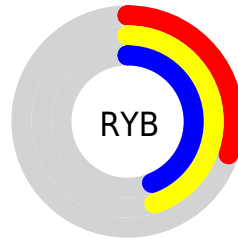
Distribution



Red (31%)

Green (45%)

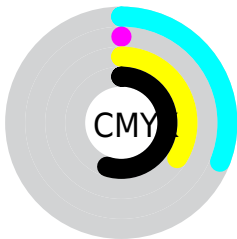
Blue (30%)



Red (30%)

Yellow (45%)

Blue (44%)

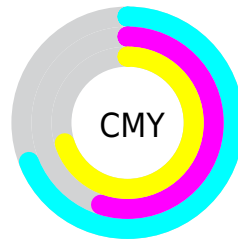


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (55%)



Cyan (69%)


Magenta (55%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7321, 0.3120, 0.4219 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 14.7321, 0.3120, 0.4219 by changing the saturation by 10% instead.

 14.7321, 0.3120,
0.4219


 14.7321, 0.3120,
0.4219

221.7389, 0.3137,
0.3644


 8.6316, 0.3105,
0.4420


 34.3825, 0.3132,
0.3974


 4.5017, 0.3072,
0.4729

 48.7012, 0.3134,
0.3894


 1.9580, 0.3024,
0.5316

 66.5281, 0.3136,
0.3831

 0.5829, 0.0592,
0.9408

 88.2475, 0.3137,
0.3779

 0.0000, 0.0000,
0.0000

 114.2439, 0.3137,
0.3737

144.9017, 0.3137,

0.3701

180.6052, 0.3137,
0.3671

■ 14.7321, 0.3120,
0.4219

■ 14.7321, 0.3120,
0.4219

■ 14.1536, 0.3112,
0.4547

■ 15.4153, 0.3125,
0.3910

■ 13.6730, 0.3102,
0.4882

■ 16.2060, 0.3127,
0.3627

■ 13.2853, 0.3088,
0.5205


■ 17.1094, 0.3127,
0.3374

■ 12.9844, 0.3071,
0.5494

■ 18.1296, 0.3126,
0.3151

■ 12.7638, 0.3052,
0.5727

■ 19.2705, 0.3124,
0.2955


 12.6151, 0.3033,
0.5890

 20.5360, 0.3122,
0.2784

 12.5483, 0.3028,
0.5977

 21.9297, 0.3119,
0.2636

 23.4549, 0.3116,
0.2508

 25.1151, 0.3112,
0.2397

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.7321, 0.3667, 0.4309



14.7321, 0.3120, 0.4219



14.7321, 0.2602, 0.3790

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.7321, 0.3120, 0.4219



14.7321, 0.2218, 0.2461



14.7321, 0.4087, 0.3251

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.7321, 0.3120, 0.4219



10.0797, 0.3115, 0.2489

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.7321, 0.3629, 0.2847



14.7321, 0.3120, 0.4219



14.7321, 0.2545, 0.2406

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.7321, 0.3120, 0.4219



14.7321, 0.2114, 0.2734



14.7321, 0.3052, 0.2547



14.7321, 0.4256, 0.3691

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.7321, 0.3120, 0.4219



14.7321, 0.2340, 0.3406



14.7321, 0.3052, 0.2547



14.7321, 0.3960, 0.3108

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.7327, 0.3120, 0.4219



28.9991, 0.3127, 0.3539



16.0033, 0.3625, 0.4024



6.8771, 0.3127, 0.3568



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7327, 0.3120, 0.4219



25.1278, 0.3115, 0.4461



14.8634, 0.2907, 0.3826



4.1105, 0.3127, 0.3508



14.0785, 0.3027, 0.5979



68.4505, 0.3013, 0.5990

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0797, 0.3115, 0.2489



15.6674, 0.3109, 0.2315



9.9371, 0.3435, 0.2811



3.7443, 0.3126, 0.3080



4.9224, 0.3023, 0.1439



23.8188, 0.3012, 0.1433

Previews

White Background



This preview shows how the Yxy color 14.7321, 0.3120, 0.4219 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 14.7321, 0.3120, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

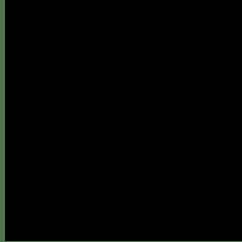
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.7321, 0.3120, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 14.7321, 0.3120, 0.4219.



This preview shows how white text looks on a background with the Yxy color 14.7321, 0.3120, 0.4219.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.7321, 0.3120, 0.4219

Protanopia

14.6413, 0.3698, 0.4002

Deuteranopia

14.5175, 0.3802, 0.3729



Tritanopia

14.7997, 0.2738, 0.3094

Trichromacy



Original Color

14.7321, 0.3120, 0.4219

Protanomaly

14.4711, 0.3473, 0.4089

Deuteranomaly

14.3311, 0.3527, 0.3896

Tritanomaly

14.7410, 0.2880, 0.3494

Monochromacy



Original Color

14.7321, 0.3120, 0.4219

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.4079, 0.3126, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7321, 0.3120, 0.4219 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(80, 116, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 116, 77)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 116, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 116, 77) }
```

Border

The CSS property to change the border of an element to Yxy 14.7321, 0.3120, 0.4219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 116, 77) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(80, 116, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(80, 116, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 116, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 116, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 116,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7321, 0.3120, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 116, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 116,  
77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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